

NOvA Experiment Status

All Experimenter's Meeting

Jaroslav Zalesak, Institute of Physics, Prague/FNAL

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Operations – Summary



☐ BEAM:

- Slip stacking 2+6 continues with higher intensity (>420 kW).

☐ NearDet:

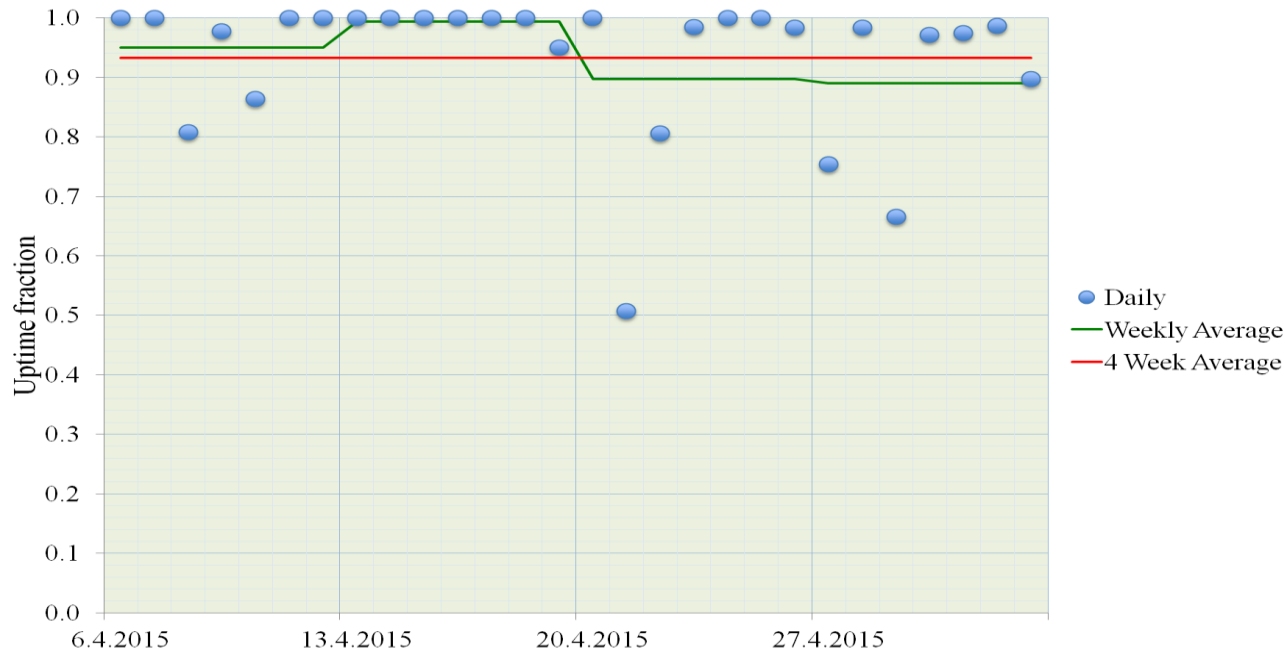
- Very good running, more than one week w/o any issues.

☐ FarDet:

- DAQ issue caused by a short network glitch a week ago.
- Followed by the timing system issue.
- Problem with air conditioning (HVAC) in the Computer room at Ash River put down data taking on Sun.
- During unscheduled beam downtime a maintenance done.

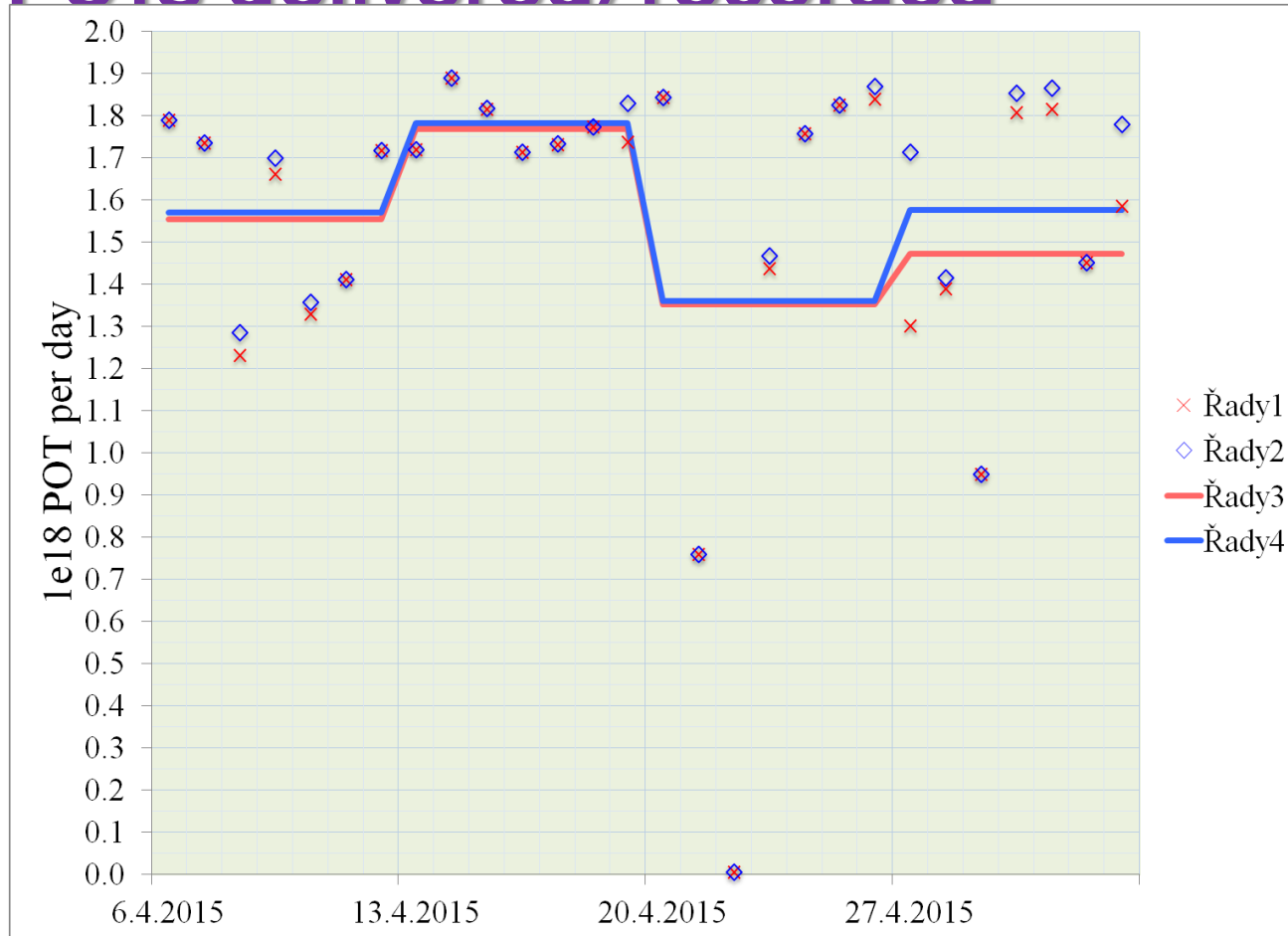
☐ Control Room(s): We used only 1 shifter on duty even if in one of the remote control rooms.

FD: Data taking Uptime



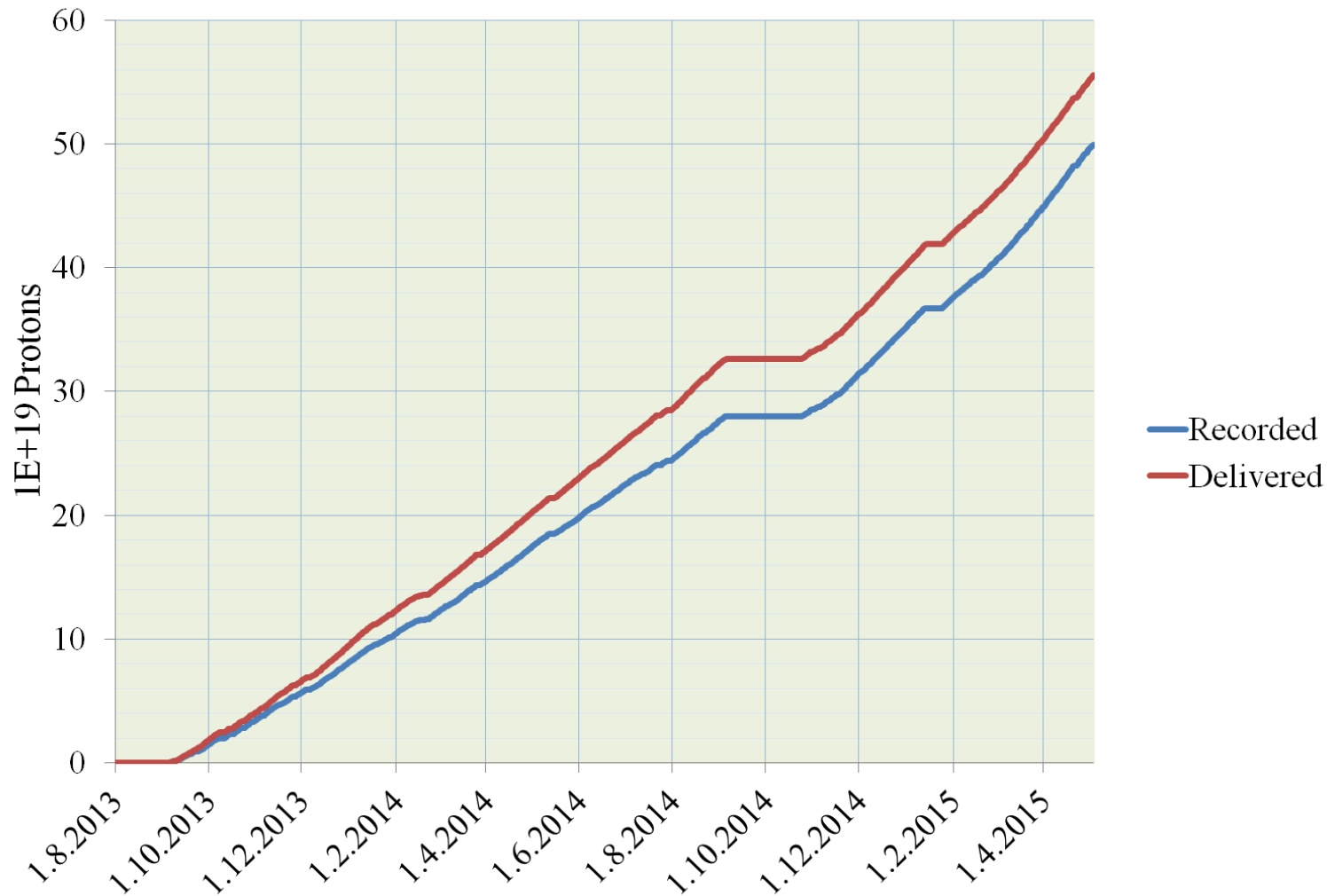
- Last week running uptime efficiency was *only* 89%, in total of 18 hours down.
- Weekend Apr 26/27: still not clear but probably a short glitch in the internal network caused the instability of DAQ system. At the first look nothing was bad, except we could not see any data in Event Display. Several DAQ experts investigated, nevertheless it took hours to learn what happened and recover the system by power-cycling/rebooting of many dcms. DCMs sent data but buffer nodes timed out and did not send on tapes.
- By coincidence after 2 hours the timing system crashed, had to be screwed up.
- Wed: the maintenance and DAQ tests performed, beam was down.
- Sun: had an issue with HVAC started on Sat and Sun the safety script shut-off all buffer nodes to prevent overheating, after resetting of one (of 2) compressor system recovered.

FD: POTs delivered/recorded



- Past week efficiency was bad comparing last weeks at 93.4%, (10.31 of 11.03 e18 POTs).
- 6 hours of beam lost when DAQ and timing system failed on Monday.
- Another 2.5 hour when we faced the HVAC problems at Ash River on Sun.
- Still due to the high beam intensity absolute values above 10e18 POTs on tapes .

FD: Accumulated POTs



➤ 2013/14: 280/326 e18 POTs (86%) + 2014/15: 219.5/228.4 e18 POTs (95.9%) [191 days]